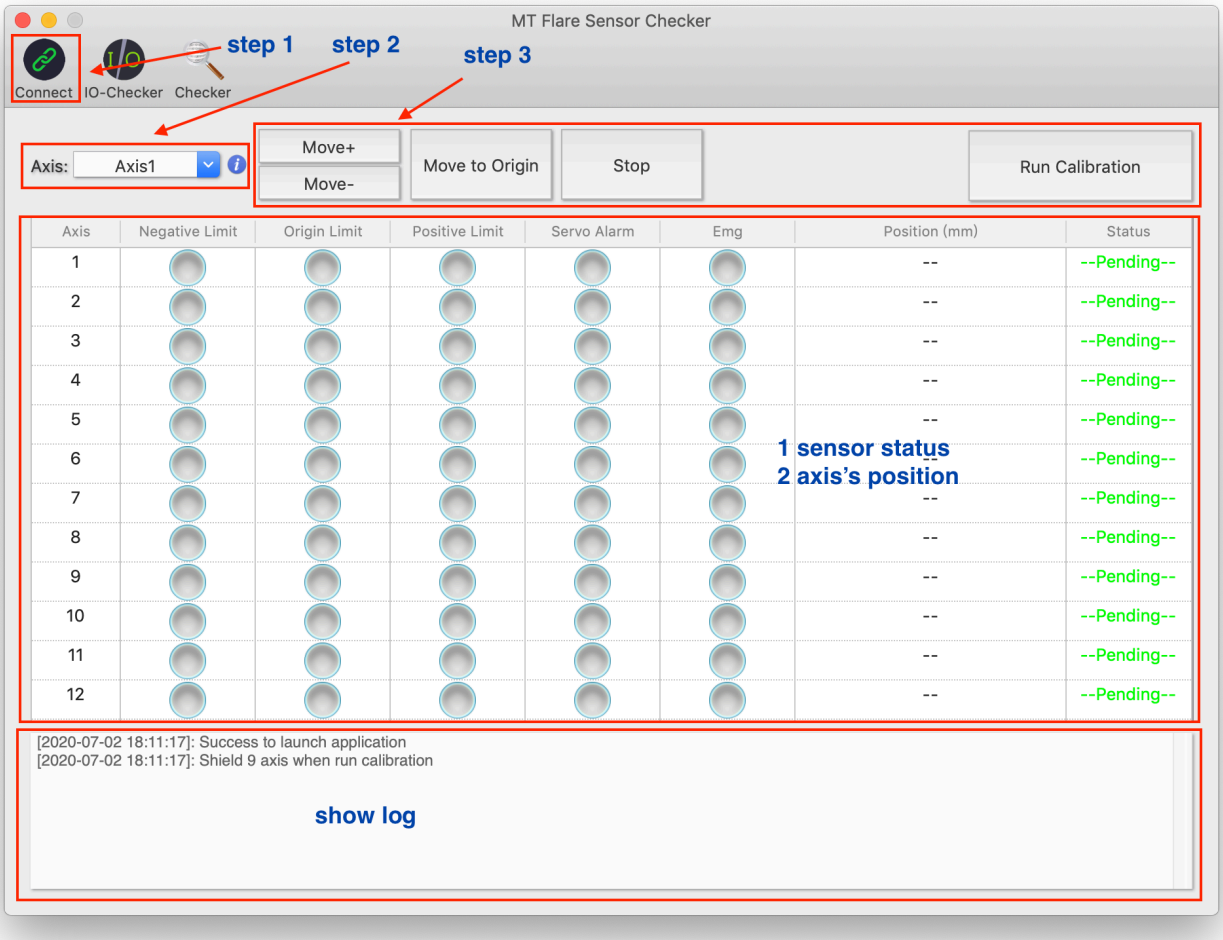
FlareSensorChecker (v2.0.0) user manunals

1. sensor check

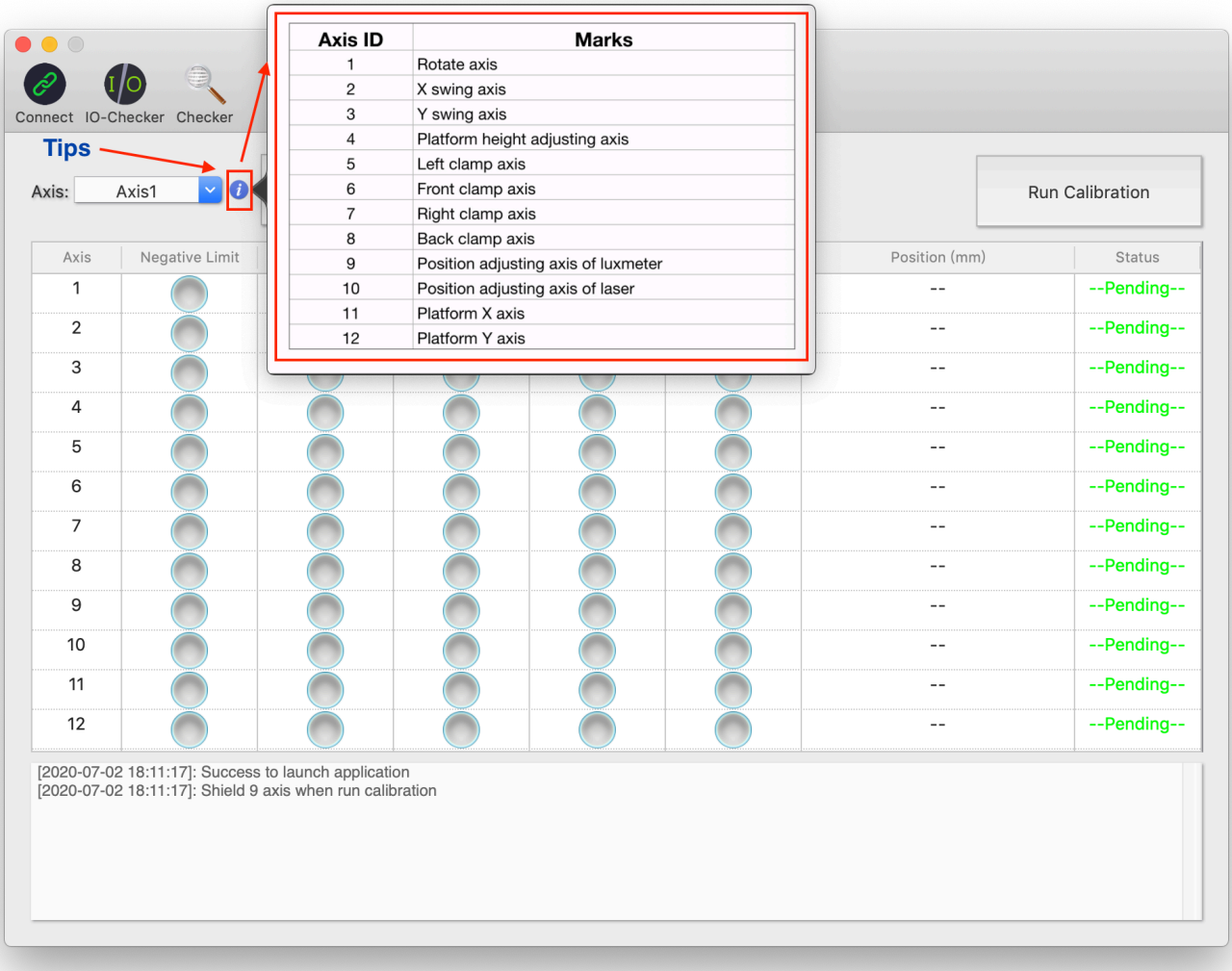
As follows picture shown, you can follow the steps to check axis sensor. when limit sensor be sensed, the led will be green color. But if the Servo Alarm and Emg has be sensed, the led will be red color. So, red color is warning color. Postion(mm) column will dispaly the current position of axis. Status column will dispaly the status of axis. If the Servo Alarm or more than one limit sensor be sensed, the axis status will be fail (FAIL), otherwise be pass (PASS).

- Click ‘Connect’ button to connect controller. (step 1)
- Select a axis. (step 2)
- Click ‘Move+’, ‘Move-’ or ‘Move to Origin’, move the axis you selected. When the axis moving, the button will be disabled.
- You can click ‘Stop’ button to stop the axis.



When ‘Run Calibration’ button has be clicked, axis will move to negative limit, then go to origin axis by axis, then some axises will move back negative limit (axis 5,6,7,8,9,10).

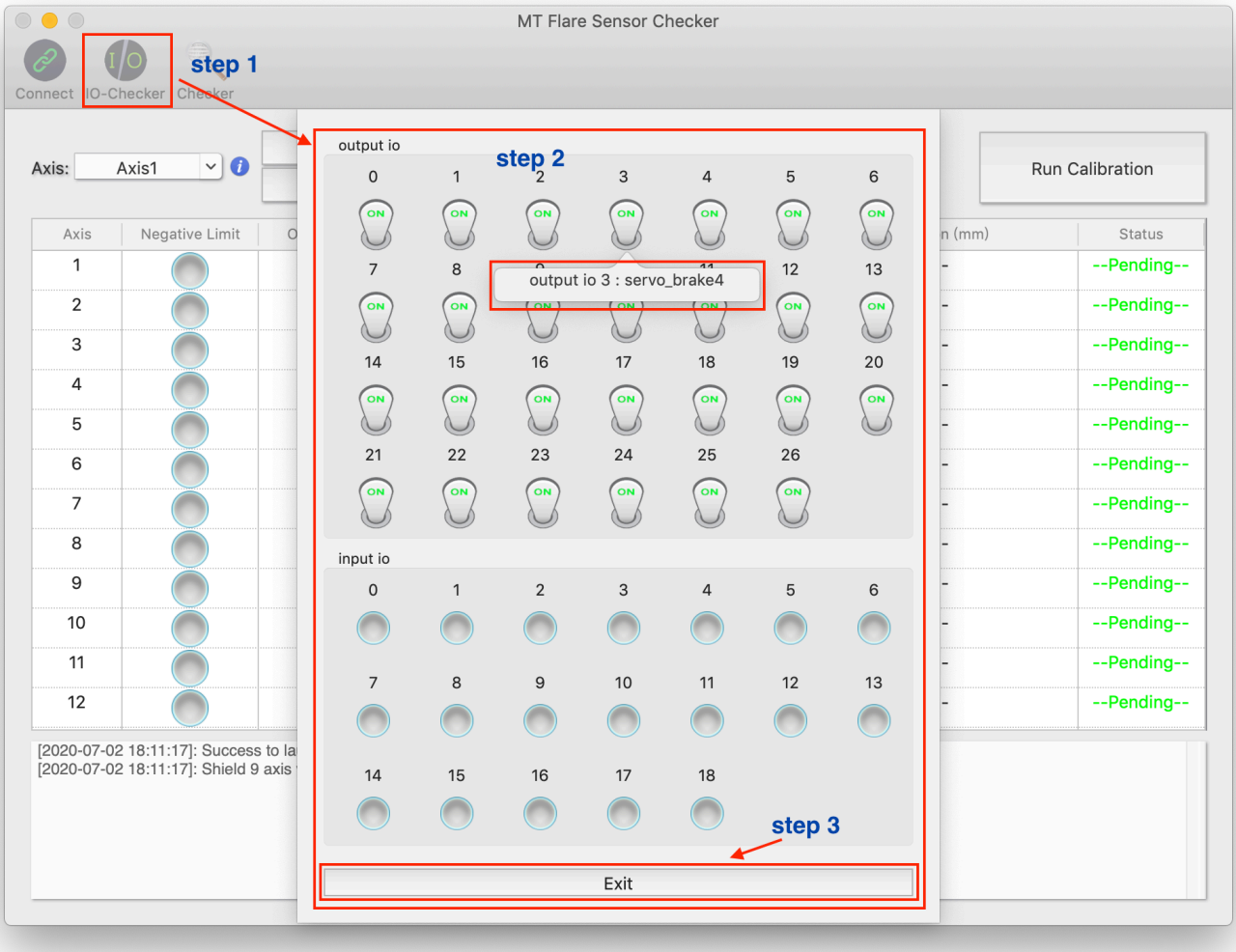
Of course, click tips button and show the tips as follows picture shown.



Axis ID	Marks
1	Rotate axis
2	X swing axis
3	Y swing axis
4	Platform height adjusting axis
5	Left clamp axis
6	Front clamp axis
7	Right clamp axis
8	Back clamp axis
9	Position adjusting axis of luxmeter
10	Position adjusting axis of laser
11	Platform X axis
12	Platform Y axis

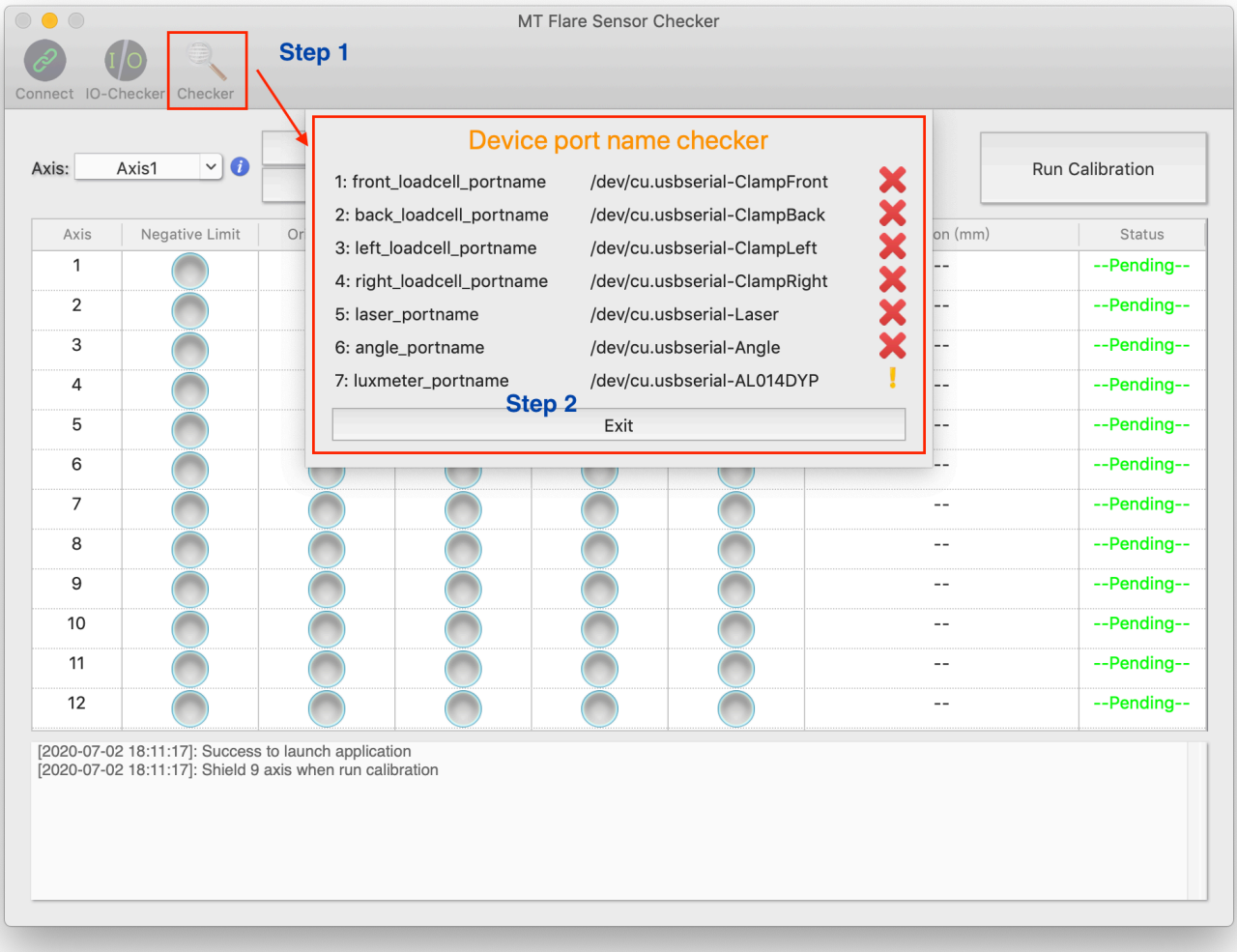
2. io check

Open the IO-Checker, you can check the input and output io status. If you want set an output io state, just need click the switch.
When mouse enter the io area, it will popover a tips. As follows picture shown.



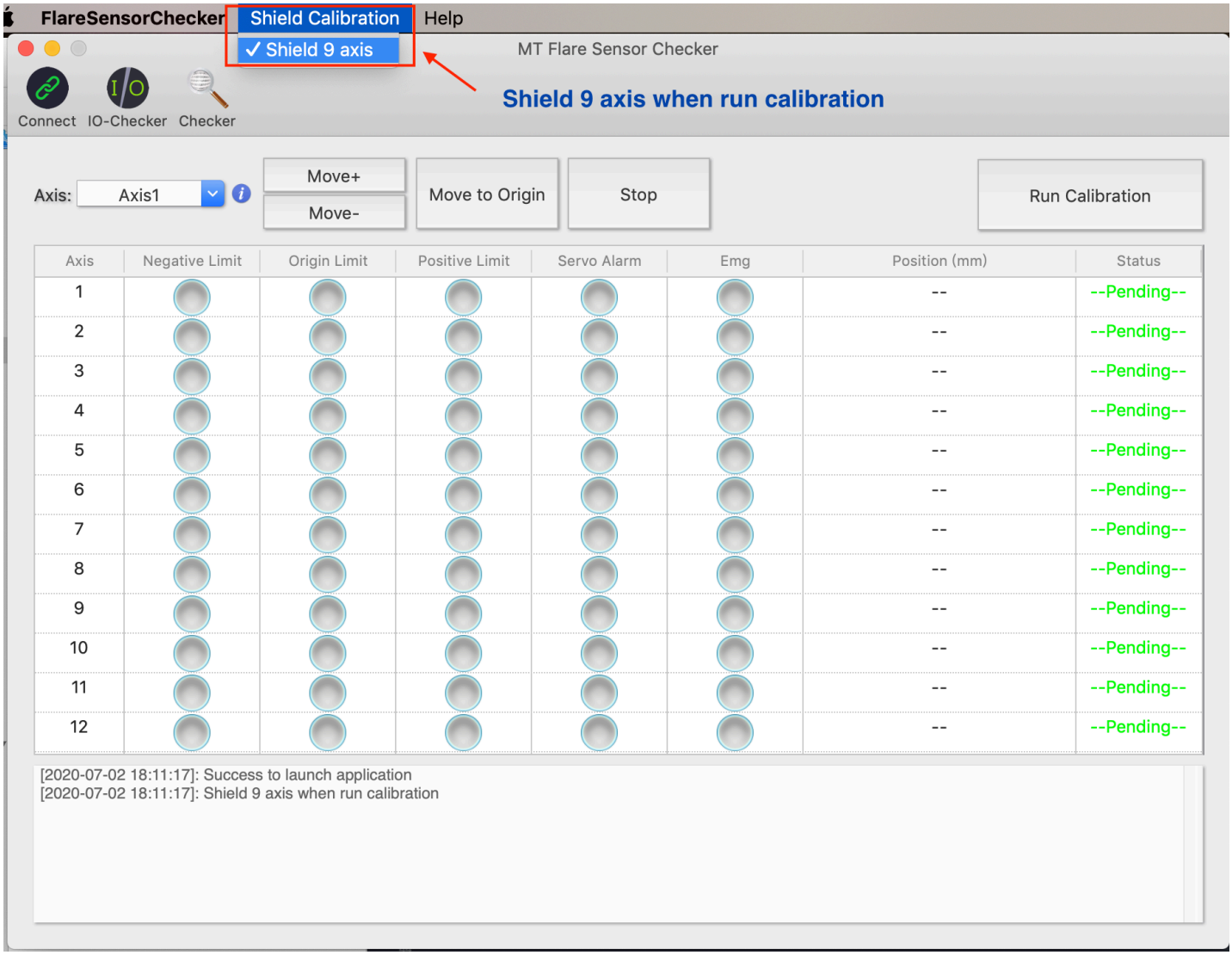
3. device port name check

Open the Checker, you can check the device port name. If the icon is fork, it's mean not found the port name. If the icon is tick, it's mean found the port name on computer. If the icon is exclamation mark, it's mean need connect controller firstly.



4. shield axis

You can shield 9 axis when run calibration.


FlareSensorChecker
Shield Calibration
Help
✓ Shield 9 axis
MT Flare Sensor Checker
Shield 9 axis when run calibration
Connect
IO-Checker
Checker
Axis:
Axis1
Move+
Move-
Move to Origin
Stop
Run Calibration
Axis
Negative Limit
Origin Limit
Positive Limit
Servo Alarm
Emg
Position (mm)
Status
1 -- --Pending--
2 -- --Pending--
3 -- --Pending--
4 -- --Pending--
5 -- --Pending--
6 -- --Pending--
7 -- --Pending--
8 -- --Pending--
9 -- --Pending--
10 -- --Pending--
11 -- --Pending--
12 -- --Pending--
[2020-07-02 18:11:17]: Success to launch application
[2020-07-02 18:11:17]: Shield 9 axis when run calibration